

King County DNRP Water Quality Index

STATION **0450CC** WATER YEAR **2018**

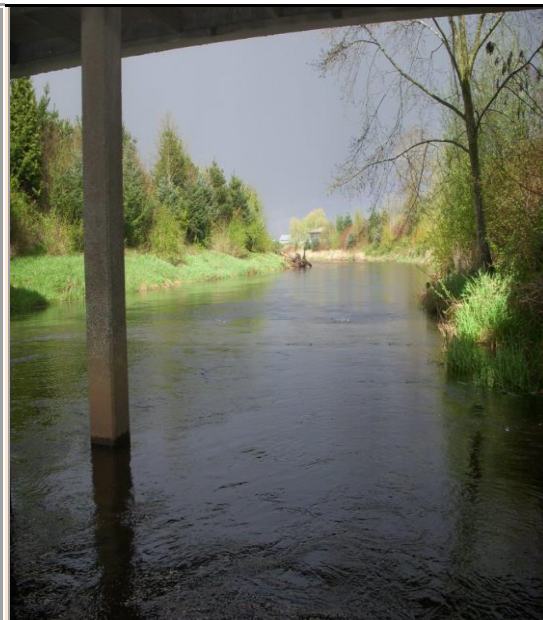
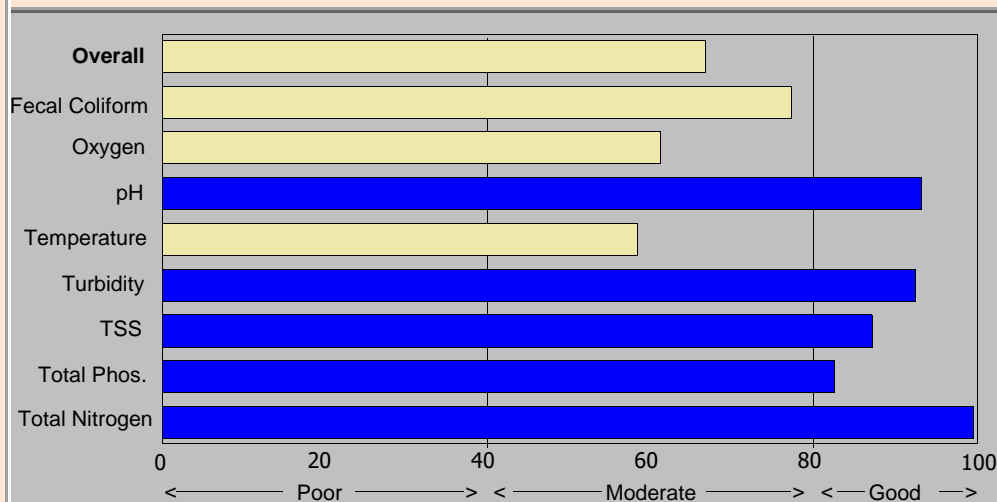
GAUGE # 51CC Sammamish Lab Sample Site at 145th

Overall Index 67

Station 0450CC on the Sammamish River is located at NE 145th Street near the City of Woodinville. King County has monitored water quality at this station since 2009. The river has been dramatically altered throughout its history; before extensive human development in the late 19th century, the Sammamish was a sinuous, low gradient river with broad, swampy floodplains. However, the lowering of the elevation of Lake Washington due to the Chittenden Locks and extensive drainage "improvements" such as channelization and dredging greatly decreased the complexity of the river, shortening its length from 17 to 13.5 miles. The main corridor of the river flows from the Lake Sammamish weir in Marymoor Park and drains into Lake Washington at Kenmore. The river is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of temperature, dissolved oxygen, fecal coliform bacteria and pH standards.

Annual Water Quality Index Scores

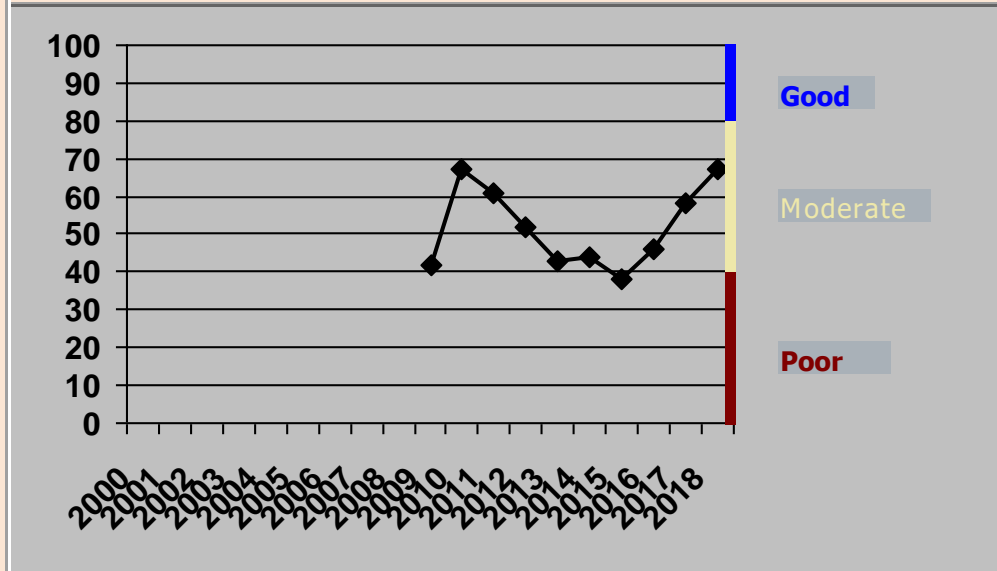
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
82	92	96	85	95	96	92	70	77	54	81	80

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>